

ExpoFacts: A European Exposure Factors Database on the Internet

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Abstract

The Finnish Public Health Institute (KTL) recently released the ExpoFacts European Exposure Factors Database at www.ktl.fi/expofacts. The goal of the ExpoFacts project was to create a European reference resource for exposure factors data specific to European populations. The project was patterned after the U.S. Environmental Protection Agency's (U.S. EPA) Exposure Factors Handbook, which has been widely used by European researchers. The ExpoFacts project was developed as a freely accessible Internet database. The scope of the ExpoFacts database covers 30 European countries. The database includes information on food intake, time use, physiology, housing and demographic parameters, including distributional data, as available. Information on data quality is also found on the website. The database scope includes demographic information in order to allow the database to be used as a tool for population-wide exposure modeling and risk assessment.

US. EPA members provided external peer review of the ExpoFacts database.

Also, the approach used to summarize child mouthing data for the International Life Sciences Institute of Health and Environmental Sciences Technical Committee on Risk Assessment Methodologies Residential Exposure Factors Database, a project in which the U.S. EPA participated, was shared with the ExpoFacts project team.

ExpoFacts in Brief:

- Exposure factor and population data
- No concentrations or exposures
- Extensive links and references
- 30 European countries
- Easy use over the Internet
- Free for everyone: www.ktl.fi/expofacts

Available Data:

- Demographic data: Birth and death rates, age pyramids, urban/rural populations
- Socio-economic data: Education levels, unemployment rates, income structures
- Dietary data: FAO food balance sheets, DAFNE food availability, national dietary studies
- Time use data: Results of national time use surveys
- Housing data: Residential statistics, ventilation studies
- Physiological data: Height and weight distributions
- Non-dietary ingestion data: Mouthing

The 30 countries in ExpoFacts:

Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom

DATA SEARCH THROUGH THE EXPOFACTS COMPUTER INTERFACE:



Database
- DATABASE ACCESS
- Database information
- Update News
- User Manual (pdf)
- Used Abbreviations (pdf)
- Search for phrases
Document library
- Complete references
- Database references
- Additional exposure factor references
Project Information
- General Information
- ExpoFacts research and development
- Future of ExpoFacts
- Acknowledgements
- Project group
Feedback
Disclaimer
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ExpoFacts - Database access

There are three ways to access the database, and find the data of interest.

Databank by countries

Country:

Quick access to data tables with data regarding country of your choice. By clicking on a table link, you will receive all the available data in that table, for that country.

OR

Databank by categories

Category:

Quick access to data tables within the category of your choice (e.g. population or dietary ingestion). By clicking on a table link, you will receive the complete table, with data for all available countries and with all available parameters.

OR

Detailed data search

With this system you will have the most choice on the data you will receive at the end. By choosing one or more categories, you will see a list of all tables available within that category, and you will be able to choose a subset of columns to print, or download. You will also see descriptions of the tables and you will be able to choose which parameters you want to include in your final table. There is also a possibility to use the filter function, in order to select the parameters in detail, e.g. just to include data for females, or for particular age groups.

All tables received as a result, can be saved for further use in text format (.txt), or spreadsheet format (.xls), or they can be printed from the screen.

Database can be browsed by country, data category, or by doing a detailed data search table by table with more options in selecting e.g. data fields of interest.

Database Access - Databank - Food consumption, Iceland						
References & Info						
Country	Age (years)	Gender (m/f)	Product	Mean (g/day)	SD	%
Scotland	15-19y	F	Beer	68	352	6.1
Scotland	15-19y	F	Bird meat	22	62	6.1
Scotland	15-19y	F	Bread	108	103	6.1
Scotland	15-19y	F	Breakfast cereals	19	16	6.1
Scotland	15-19y	F	Butter	4	7	6.1
Scotland	15-19y	F	Cakes	69	175	6.1
Scotland	15-19y	F	Cheese	39	39	6.1
Scotland	15-19y	F	Cold beer oil	0	1	6.1
Scotland	15-19y	F	Coffee	3	26	6.1

www.ktl.fi/expofacts has all the data and documentation available.

Selected tables can be downloaded and used for further data analysis.

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